

CLAIMS

What is claimed is:

1. A clear propylene glycol free deodorant stick composition with active deodorant constituents comprising:

glycerin in the range of 45.0 – 75.0% weight percent;

water in the range of 25.0 – 40.0% weight percent;

soap gelling agent in the range of 5.0 – 10.0% weight percent;

hydrophilic non-ionic surfactants in the range of 0.5 – 2.0% weight percent;

hydrophobic non-ionic surfactant in the range of 0.0 – 0.5% weight percent;

fatty alcohol in the range of 0.0 – 0.5% weight percent;

alkali metal bicarbonate in the range of 0.5 – 2.0% weight percent;

natural alpha bisabolol in the range of 0.1 – 0.5% weight percent; and

glyceryl monoalkyl ether in the range of 0.3 – 1.0% weight percent.
2. The composition of claim 1 wherein the ratio of glycerin/water is around 2/1.
3. The composition of claim 1 wherein the soap gelling agent is a 1: 7.0 – 8.0 combination of sodium stearate or sodium hydroxide and stearic acid.
4. The composition of claim 1 wherein the hydrophilic non-ionic surfactants are alkoxyated alcohol that have high HLB values (around 15 to around 19) and are water soluble but insoluble or dispersible to alcohol.
5. The composition of claim 4 wherein the alkoxyated alcohol are steareth-100 or steareth-20 or cetareth-20 or oleth-20.

6. The composition of claim 1 wherein the hydrophobic non-ionic surfactants are alkoxylated alcohols that have low HLB values (around 4 to around 10) and are water insoluble but soluble to alcohol.
7. The composition of claim 6 wherein the alkoxylated alcohol are oleth-2 or oleth-3, or oleth-5 or laureth-4 or isosteareth-2.
8. The composition of claim 1 wherein the total HLB of alkoxylated alcohol mixture is in the range of around 15 to around 17 weight percent.
9. The composition of claim 1 wherein the alkali metal bicarbonates are sodium bicarbonate or potassium bicarbonate.
10. The composition of claim 1 wherein the fatty alcohol is stearyl or cetyl alcohol.
11. The composition of claim 1 wherein the glyceryl monoalkyl ether is ethylhexylglycerin.
12. A combinatory anti-microbial immixture active against gram-negative bacteria comprising at least one glyceryl monoalkyl ether and an anti-microbially synergistically effective amount of at least one monocyclic, unsaturated sesquiterpene alcohol.
13. The anti-microbial active according to claim 12 wherein the at least one glyceryl monoalkyl ether is ethylhexylglycerin.
14. The anti-microbial active according to claim 12 wherein the at least one monocyclic, unsaturated sesquiterpene alcohol is alpha-bisabolol.
15. The anti-microbial active according to claim 13 wherein the at least one monocyclic, unsaturated sesquiterpene alcohol is alpha-bisabolol.
16. A pharmaceutical/cosmetic composition comprising an anti-microbially effective amount of the combinatory immixture as defined by claim 12.

17. A pharmaceutical/cosmetic composition comprising an anti-microbially effective amount of the combinatory immixture as defined by claim 15.
18. The pharmaceutical/cosmetic composition according to claim 16, wherein the composition is essentially free of propylene glycol.
19. A clear propylene glycol free deodorant stick composition comprising a gelling agent, a solvent for the gelling agent and an effective amount of a deodorant active material comprising at least one glyceryl monoalkyl ether and an anti-microbially synergistically effective amount of at least one monocyclic, unsaturated sesquiterpene alcohol.
20. The clear propylene glycol free deodorant stick composition according to claim 19 comprising
 - a. glycerin in the amount ranging from 45.0–75.0% by weight;
 - b. water in the amount ranging from 25.0–40.0% by weight;
 - c. hydrophilic non-ionic surfactants in the amount ranging from 0.5–2.0% by weight;
 - d. hydrophobic non-ionic surfactant in the amount ranging from 0.0–0.5% by weight;
 - e. fatty alcohol in the amount ranging from 0.0–0.5% by weight;
 - f. alkali metal bicarbonate in the amount ranging from 0.5–2.0% by weight;
 - g. monocyclic, unsaturated sesquiterpene alcohol in the amount ranging from 0.1–0.5% by weight; and
 - h. glyceryl monoalkyl ether in the amount ranging from 0.3–1.0% by weight.
21. The composition of claim 20 wherein the ratio of glycerin/water is around 2/1.
22. The composition of claim 20 wherein the glyceryl monoalkyl ether is ethylhexylglycerin.

23. The composition of claim 20 wherein the monocyclic, unsaturated sesquiterpene alcohol is alpha-bisabolol.
24. A clear deodorant composition comprising glycerine as a gelling agent, water as a solvent, a clarifying effective amount of a bicarbonate compound as a clarifying agent and a deodorant active material.
25. The clear deodorant composition according to claim 24 wherein the deodorant active material is a mixture comprising at least one glyceryl monoalkyl ether and an anti-microbially synergistically effective amount of at least one monocyclic, unsaturated sesquiterpene alcohol.
26. The clear deodorant composition according to claim 25 wherein the at least one glyceryl monoalkyl ether is ethylhexylglycerin.
27. The clear deodorant composition according to claim 25 wherein the at least one monocyclic, unsaturated sesquiterpene alcohol is alpha-bisabolol.
28. The clear deodorant composition according to claim 26 wherein the at least one monocyclic, unsaturated sesquiterpene alcohol is alpha-bisabolol.
29. The clear deodorant composition according to claim 26 wherein the at bicarbonate compound is sodium bicarbonate.
30. The clear deodorant composition according to claim 27 wherein the at bicarbonate compound is sodium bicarbonate.
31. The clear deodorant composition according to claim 28 wherein the at bicarbonate compound is sodium bicarbonate.